

# SPEEDCAM VISARIO 1500

## Empower your VISION

Using our High-Speed Video Camera SpeedCam Visario 1500, you will be able to penetrate into unattainable dimensions in video recording. Powerful features establish our trend-setting camera as the undisputed market leader for high-end applications, such as in crash testing for the automotive industry, as well as in research and development.



### Thanks to the presence of:

- The most up-to-date CMOS technology using an image format of 1536 x 1024 pixel
- High speed recording of up to 10'000 images/sec.
- Rugged mechanical design
- Smallest possible size and light weight
- Intuitive configuration and application software
- Exemplary modularity and expandability
- Extensive system integration possibilities

The **SpeedCam Visario 1500** presents a unique "next generation" camera for the recording and analysis of the most rapid and explosive events.

At the heart of this vision system ideally suited for high levels of acceleration and vibration, lies the high resolution CMOS sensor developed for the most demanding tasks. It sets new standards with regard to resolution, dynamics and noise reduction and permits an absolutely true image reproduction.

Along with its optical and mechanical characteristics, the attractive **SpeedCam Visario 1500** image acquisition system provides a convincing argument on the basis of its seamless integration with existing system environments.

The operating software VISART, developed for Windows 2000™, provides users with a very high degree of functionality and convenience.

### SpeedCam Visario 1500 – revealing crucial moments.

- High resolution CMOS sensor with electronic shutter
- Intuitive software operation
- Exchangeable standard lenses (F-mount, C-mount etc.)
- Convenient network and software integration
- Windows 2000™



**WEINBERGER**  
empowers your vision

# SPEEDCAM

## VISAR10 1500 – convincing arguments

### High-Speed Video Camera with CMOS Sensor

#### Optical parameters

- |                               |   |
|-------------------------------|---|
| <b>Sensor</b>                 | <ul style="list-style-type: none"><li>• High-speed APS CMOS sensor</li></ul>  |
| <b>Active sensor size</b>     | <ul style="list-style-type: none"><li>• 16.89 x 11.26 mm (W/H)</li></ul>  |
| <b>Active pixel size</b>      | <ul style="list-style-type: none"><li>• 11 µm square</li></ul>  |
| <b>Image formats</b>          | <ul style="list-style-type: none"><li>• 1536 x 1024 pixel: up to 1'000 images/sec.</li><li>• 1024 x 768 pixel: up to 2'000 images/sec.</li><li>• 768 x 512 pixel: up to 4'000 images/sec.</li><li>• 512 x 192 pixel: up to 10'000 images/sec.</li></ul> |
| <b>Shutter</b>                | <ul style="list-style-type: none"><li>• Electronic shutter down to 10 µsec.</li></ul>   |
| <b>Dynamic range</b>          | <ul style="list-style-type: none"><li>• Monochrome 10 bit, color depth up to 30 bit</li></ul>   |
| <b>Recording time</b>         | <ul style="list-style-type: none"><li>• Default 1 sec.</li><li>• Optional 2 sec. or 4 sec.</li><li>• Longer recording time at lower resolution and/or speed</li></ul>   |
| <b>Other optical features</b> | <ul style="list-style-type: none"><li>• No blooming</li><li>• No cross talk</li><li>• Optimized noise reduction on chip</li></ul>   |

#### System-Software and functionality

- |                             |   |
|-----------------------------|---|
| <b>Operating system</b>     | <ul style="list-style-type: none"><li>• Windows 2000™</li></ul>   |
| <b>System integration</b>   | <ul style="list-style-type: none"><li>• CORBA: open software interface for seamless integration into existing environments</li></ul>  |
| <b>System configuration</b> | <ul style="list-style-type: none"><li>• Easy to use graphical user interface</li><li>• Intuitive control of all parameters such as recording frequency, play back speed and archiving</li></ul> |
| <b>Trigger</b>              | <ul style="list-style-type: none"><li>• Various trigger options on camera, LinkBox and host PC</li></ul>  |
| <b>Synchronization</b>      | <ul style="list-style-type: none"><li>• System synchronization via host PC or external</li><li>• IRIG-B (optional)</li></ul>  |
| <b>Viewfinder</b>           | <ul style="list-style-type: none"><li>• Low light mode as a viewfinder function for setup purposes</li></ul>  |
| <b>Network integration</b>  | <ul style="list-style-type: none"><li>• 100 MB Ethernet interface standard</li></ul>  |

#### Electrical and mechanical features

- |                          |  |
|--------------------------|--|
| <b>Lenses</b>            | <ul style="list-style-type: none"><li>• Mounts for various standard lenses</li><li>• F-mount and C-mount are part of the scope of supply</li><li>• Other mounts on request</li></ul>   |
| <b>System design</b>     | <ul style="list-style-type: none"><li>• Modular and expandable concept consisting of camera, LinkBox and Win2000™ host PC</li><li>• LinkBox integration for multi-camera operation, extendable up to 115 meters between host and cameras</li></ul> |
| <b>Dimensions</b>        | <ul style="list-style-type: none"><li>• Camera: 80 x 102 x 170 mm (H/W/D) / 1.8 kg (3.1" x 4.1" x 6.7" / 4 lbs)</li></ul>  |
| <b>Temperature</b>       | <ul style="list-style-type: none"><li>• Operating temperature: -10 to 45 °C (15 to 110 °F)</li></ul>   |
| <b>Humidity</b>          | <ul style="list-style-type: none"><li>• 95% non condensing</li></ul>   |
| <b>Power supply</b>      | <ul style="list-style-type: none"><li>• Via LinkBox, LinkSplitter or host PC</li></ul>   |
| <b>Shock testing</b>     | <ul style="list-style-type: none"><li>• 100g /25 msec. tested over 1000 cycles</li></ul>   |
| <b>Testing standards</b> | <ul style="list-style-type: none"><li>• Complies with CE as well as other international standards</li></ul>  |

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